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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

LEIF LINDHOLM

Application No.: 10/019,566

Filed: December 31, 2001

For: RECOMBINANT ADENOVIRUS

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)  
) Group Art Unit: 1632

)  
) Examiner: Unassigned

)  
) Confirmation No.: 8060

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56 Applicant submits information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

It is contemplated that this submission be read in conjunction with the Information Disclosure Statement previously filed on December 31, 2001.

Copies of the following United States Patents are provided:

- (a) No. 5,770,442  
"Chimeric Adenoviral Fiber Protein and Methods of Using Same"  
Patentees: Thomas J. Wickham *et al.*  
Granted: June 23, 1998
- (b) No. 5,962,311  
"Short-Shafted Adenoviral Fiber and Its Use"  
Patentee: Thomas J. Wickham *et al.*  
Granted: October 5, 1999

Applicant also provides for the convenience of the Examiner copies of fourteen (14) publications that are discussed in Applicant's Specification.

Supplemental Information Disclosure Statement

Application No. 10/019,566

Attorney's Docket No. 003300-883

Page 2

For the convenience of the Examiner a form PTO-1449 is attached that lists these items. It is requested that an Examiner-initialed copy of this form be returned to the undersigned once the above items are considered.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date June 28, 2004

By:



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**SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/019,566
Filing Date	December 31, 2001
First Named Inventor	LEIF LINDHOLM
Examiner Name	Unassigned
Attorney Docket Number	003300-883

## U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	5,770,442		WICKHAM <i>et al.</i>	June 23, 1998
	5,962,311		WICKHAM <i>et al.</i>	October 5, 1999

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No

## NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	CHROBOCZEK J., RUIGROK R.W.H. and CUSACK S., "Adenovirus Fiber, Current Topics in Microbiology and Immunology", 1995, SID, Pages 163 to 200.
	D. XIA, HENRY L., GERARD R.D. and DIESENHOFER J., "Structure of the Receptor Binding Domain of Adenovirus Type 5 Fiber Protein", A Resolution, Structure 2: 1259-1270, 1994, Pages 39 to 46.
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	SI MICHAEL, JS HONG, DT CURIEL and JA ENGLER, "Addition of a Short Peptide Ligand to the Adenovirus Fiber Protein", Gene Therapy 2, Pages 660 to 668, 1995.
	THOMAS J. WICKHAM, DAVID M. SEGAL, PETER W. ROELVINK, MIGUEL E. CARRION, ALENA LIZONOVA, GAI MI LEE and IMRE KOVESDI, "Targeted Adenovirus Gene Transfer to Endothelial and Smooth Muscle Cells by Using Bispecific Antibodies", Journal of Virology, Vol. 70, No. 10, Pages 6831 to 6838, October 1996.
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	ROBERT MCARN HORTON and LARRY READINGTON PEASE, "Recombination and Mutagenesis of DNA Sequences Using PCR", IRL Press 1991, SID, Pages 217 to 247.
	HANS-JÜRGEN HOPPE, PAUL N. BARLOW, KENNETH B.M. REID, "A Parallel Three Stranded $\alpha$ -Helical Bundle at the Nucleation Site of Collagen Triple-Helix Formation", FEBS LETTERS 344, Pages 191 to 195, 1994.
	PEHR B. HARBURY, TAO ZHANG, PETER S. KIM, TOM ALBER, "A Switch Between Two-, Three-, and Four-Stranded Coiled Coils in GCN4 Leucine Zipper Mutants", Science, Vol. 262, Pages 1401 to 1406, November 1993.
	C. CHARTIER, E. DEGRYSE, M. GANTZER, A. DIETERLÉ, A. PAVIRANI, and M. MEHTALI, "Efficient Generation of Recombinant Adenovirus Vectors by Homologous Recombination in Escherichia Coli", Journal of Virology, Vol. 70, No. 7., July 1996, Pages 4805 to 4810.
	NICHOLAS MILLER, and RICHARD VILE, "Targeted Vectors for Gene Therapy", FASEB J, 9, Pages 190 to 199, 1995.

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.